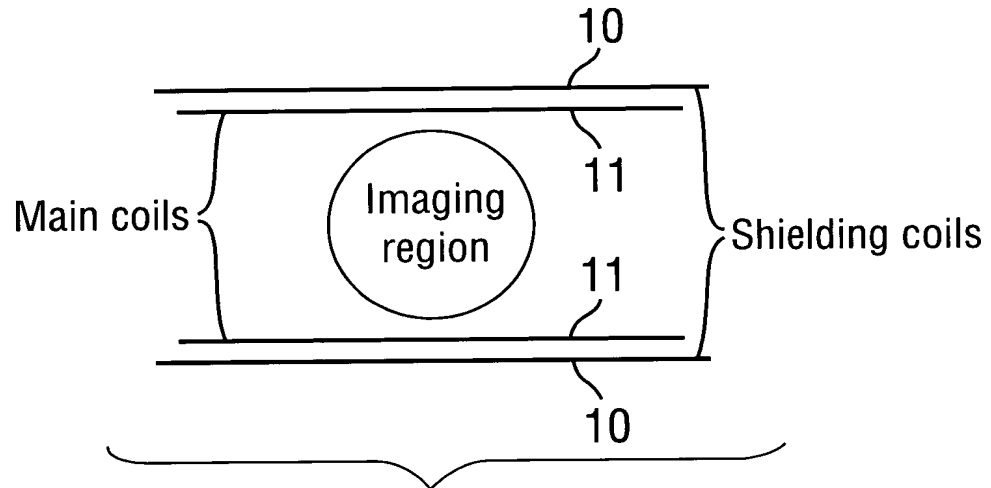
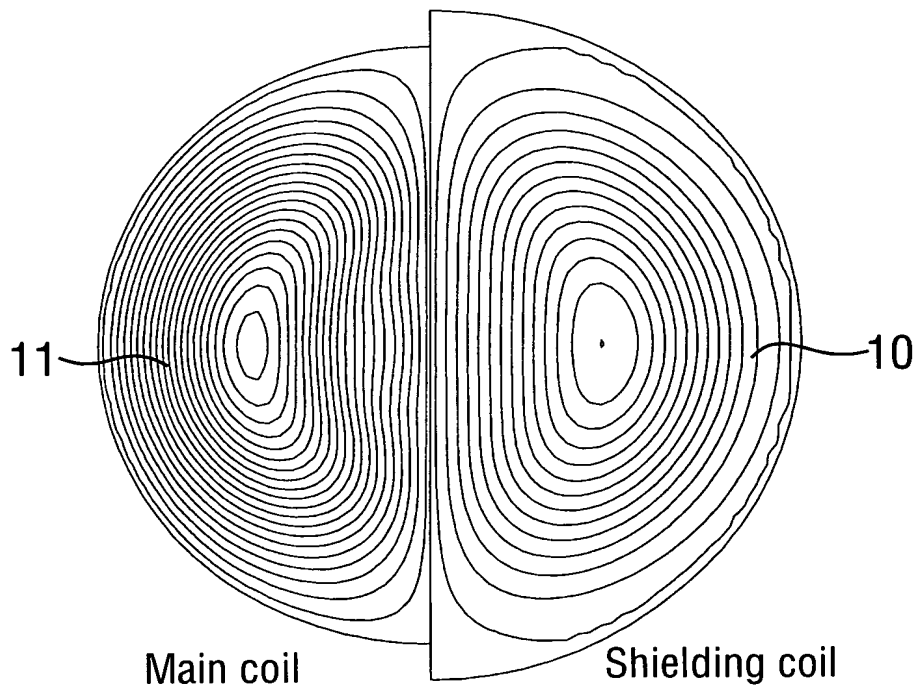


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**FIG. 1a**

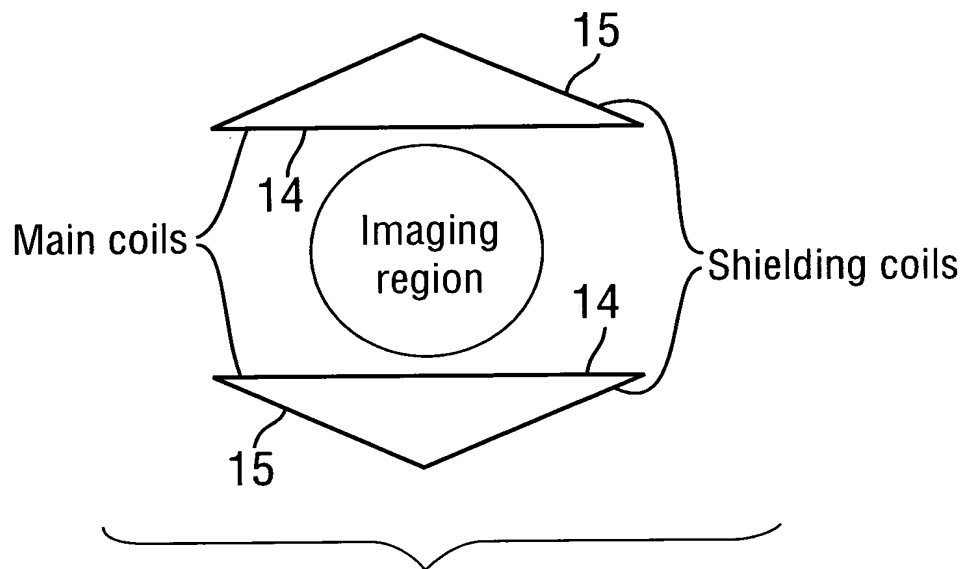
Cross-section of conventional bi-planar gradient coil



**FIG. 1b**

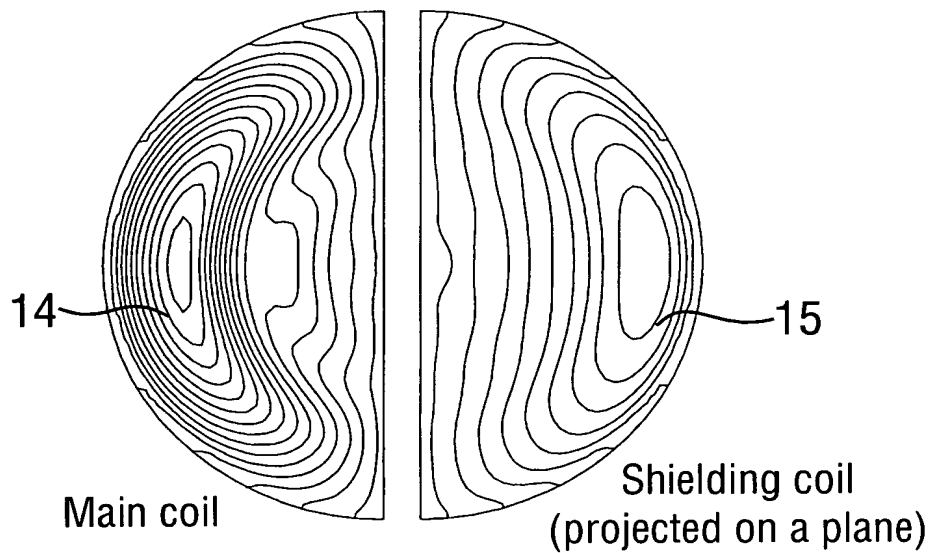
Winding patterns of conventional bi-planar gradient coil (X axis)  
(one out of four windings shown in each case)

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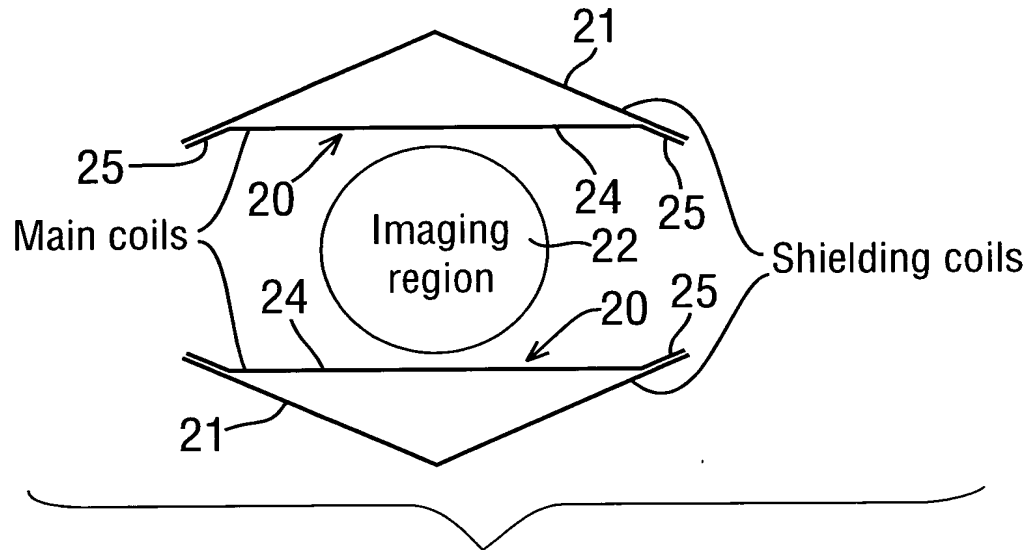
**FIG. 2a**

Cross-section of bi-planar main gradient coil  
with conical shielding coil

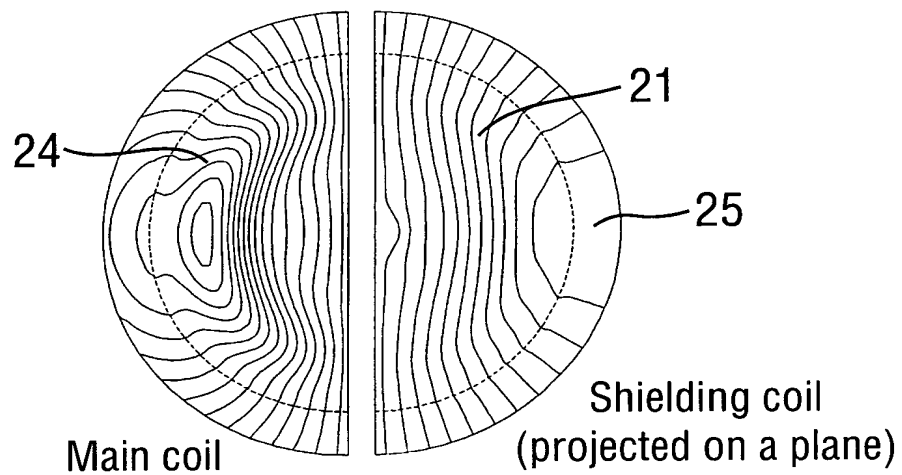


**FIG. 2b**

Winding patterns of bi-planar main gradient coil with conical  
shielding coil (one of four for each), showing partial turns

**FIG. 3a**

Cross-section of bi-planar main gradient coil  
with conical shielding coil

**FIG. 3b**

Winding patterns of concave main gradient coil with conical  
shielding coil (one of four for each), showing partial turns.  
Dotted line indicates near-coincident region

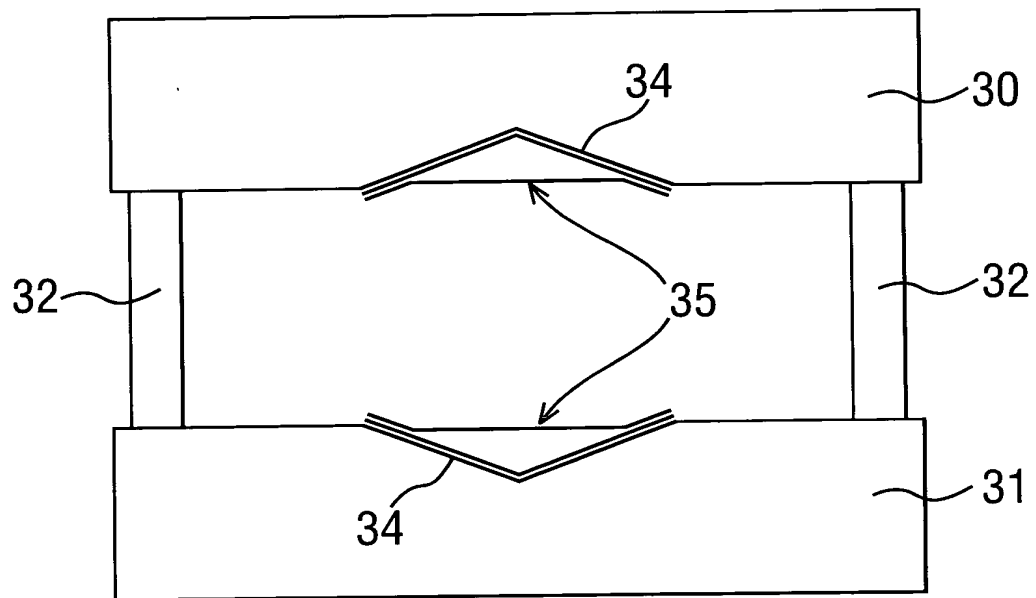


FIG. 4